

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/018513

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65D75/34 B65D75/36 A61J1/03

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65D A61J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	US 2003/213721 A1 (JONES MARTY) 20 November 2003 (2003-11-20) paragraph '0014! - paragraph '0019!; figures 1-4	1, 2, 5-19, 21-26, 28-33
X	US 2002/162768 A1 (BOLNICK RICHARD S ET AL) 7 November 2002 (2002-11-07)	1, 2, 5-9, 11-18, 22-25, 28, 31-33
Y	paragraph '0037! - paragraph '0039!; figures 14-16 ----- -/-	3, 4

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

15 October 2004

Date of mailing of the international search report

22/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Fitterer, J

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/018513

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/166792 A1 (PRUD HOMME JEAN ANDRE ET AL) 14 November 2002 (2002-11-14)	1,2,5-9, 11-17, 22-25, 28,31-33
Y	paragraph '0043! - paragraph '0059!; figures 3-6	3,4
X	US 4 125 190 A (DAVIE JR JOHN H ET AL) 14 November 1978 (1978-11-14) column 5, line 36 - column 6, line 29; figure 4	1,6,25, 28
Y	US 5 242 055 A (PORA RAYMOND I) 7 September 1993 (1993-09-07) figures 4-6	3,4
A	US 5 758 774 A (LEBLONG WAYNE T) 2 June 1998 (1998-06-02) figures 1-4,8,9	1-33
A	US 5 927 500 A (USHER CHRISTOPHER T. ET AL) 27 July 1999 (1999-07-27) figure 1	1-33
A	EP 0 162 378 A (INTINI THOMAS D) 27 November 1985 (1985-11-27) figures 1-10	1-33

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/018513

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003213721	A1	20-11-2003	NONE	
US 2002162768	A1	07-11-2002	US 6357593 B1 WO 03080339 A1 WO 03080468 A1 US 2003209460 A1 AU 5376801 A EP 1349727 A1 WO 0232666 A1	19-03-2002 02-10-2003 02-10-2003 13-11-2003 29-04-2002 08-10-2003 25-04-2002
US 2002166792	A1	14-11-2002	WO 02083520 A2 CA 2374449 A1 CA 2423557 A1 EP 1379448 A2 EP 1462384 A1 US 2002153276 A1	24-10-2002 18-10-2002 18-10-2002 14-01-2004 29-09-2004 24-10-2002
US 4125190	A	14-11-1978	NONE	
US 5242055	A	07-09-1993	US RE35445 E	11-02-1997
US 5758774	A	02-06-1998	AT 196126 T AU 691314 B2 AU 2906195 A CA 2192458 A1 DE 69518759 D1 DE 69518759 T2 DK 770023 T3 EP 0770023 A1 ES 2150572 T3 GR 3034967 T3 JP 10503149 T NZ 289273 A PT 770023 T SI 770023 T1 WO 9603329 A1	15-09-2000 14-05-1998 22-02-1996 08-02-1996 12-10-2000 13-06-2001 18-12-2000 02-05-1997 01-12-2000 28-02-2001 24-03-1998 24-11-1997 31-01-2001 31-12-2000 08-02-1996
US 5927500	A	27-07-1999	NONE	
EP 0162378	A	27-11-1985	US 4537312 A AT 55348 T DE 3579037 D1 EP 0162378 A2	27-08-1985 15-08-1990 13-09-1990 27-11-1985